

Stone Avenue and Grant Road
Water Quality Assurance Revolving Fund (WQARF) Site
DRAFT Remedial Investigation (RI) Report, Updates, and
Next Steps

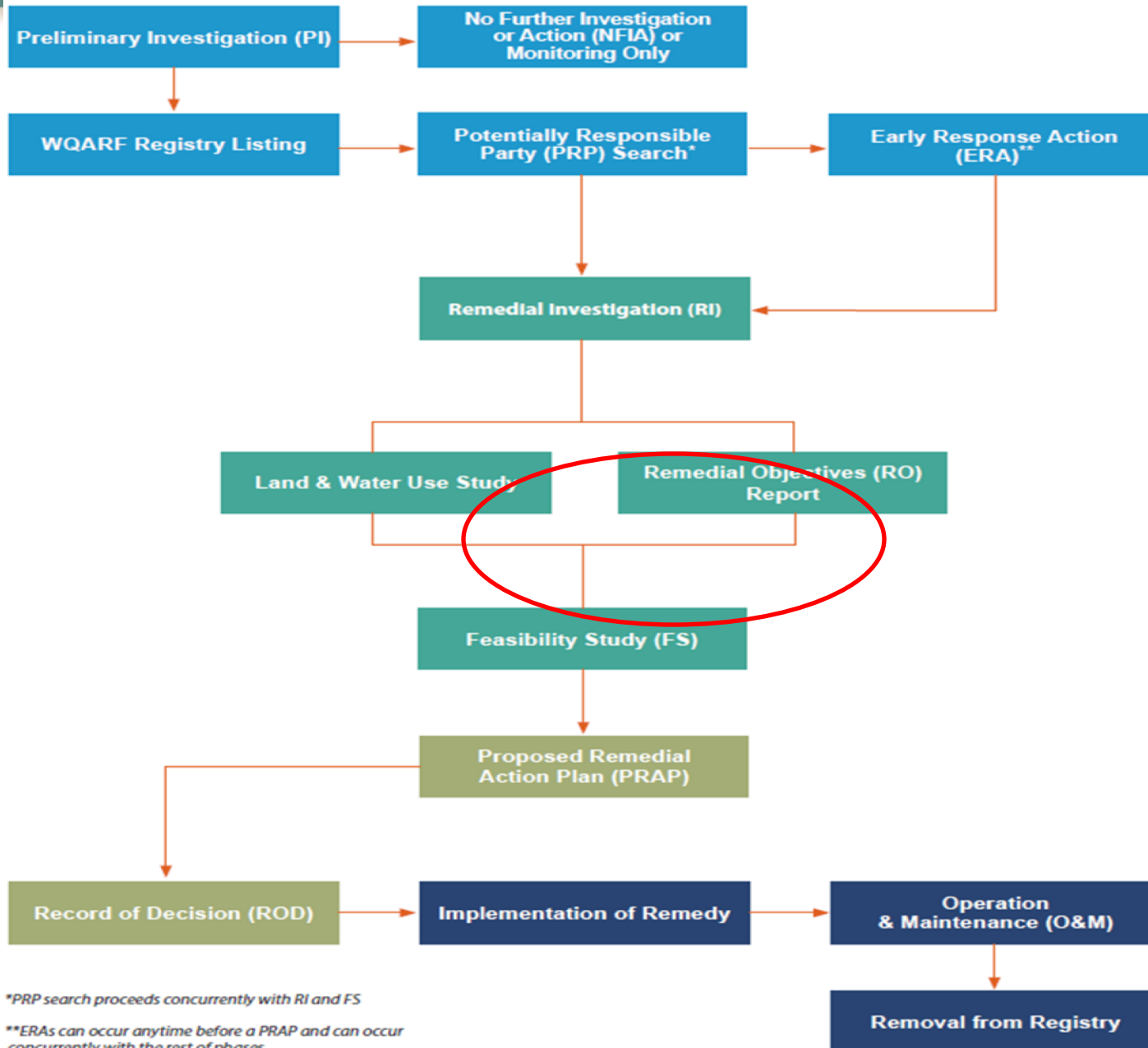
October 2, 2019

Community Advisory Board (CAB) Meeting

Gianna Trujillo, Environmental Science Specialist II/Project Manager



WQARF PHASES

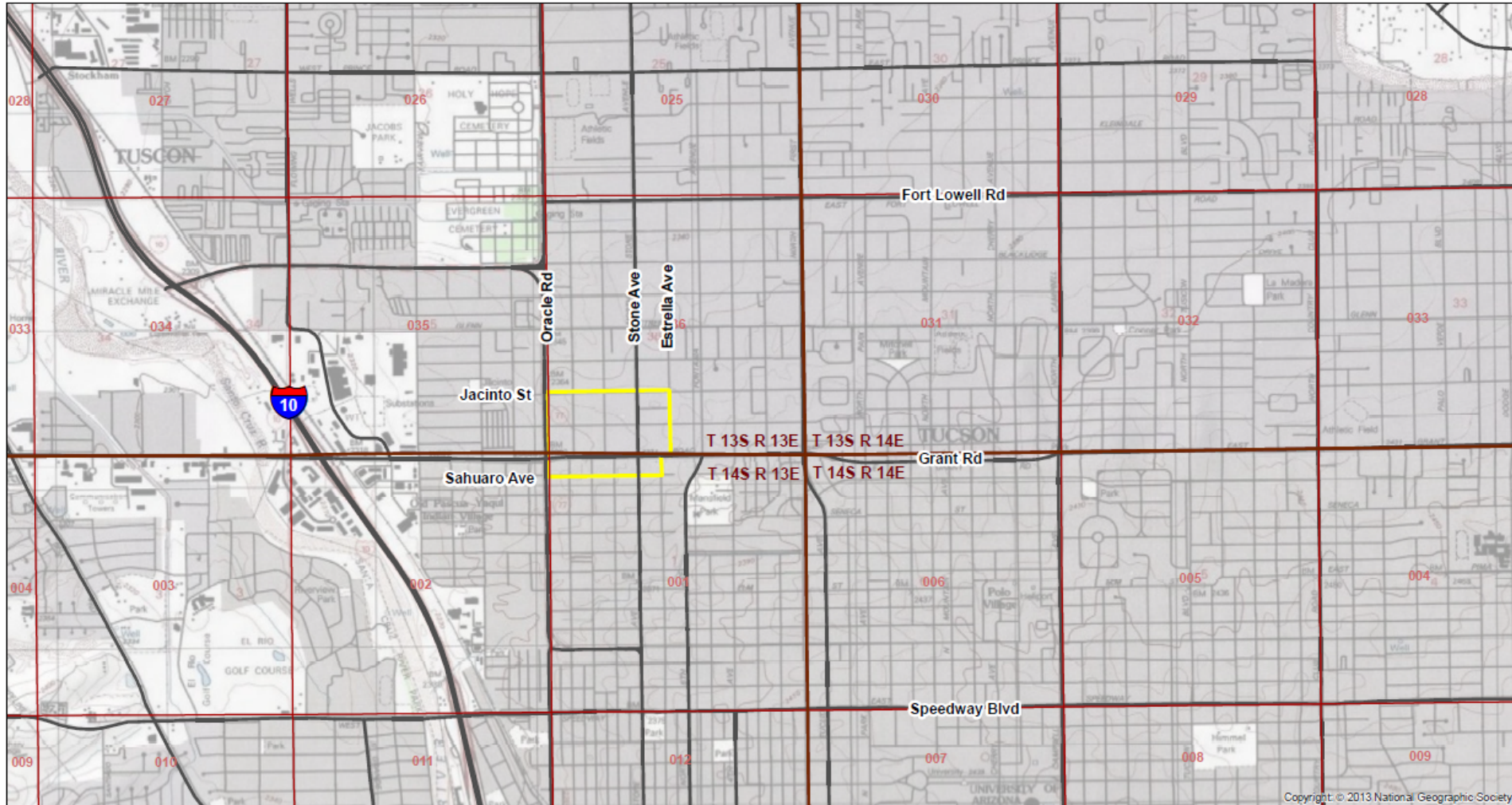


*PRP search proceeds concurrently with RI and FS

**ERAs can occur anytime before a PRAP and can occur concurrently with the rest of phases

- Similar to standard process with following changes:
 - 30 Day DRAFT RI Public Comment per A.A.C. R18-16-301(C) and R18-16-404(C.1.b)
 - No solicitation of Remedial Objectives is required per R18-16-406(H)
 - The Department shall prepare Remedial Objectives based on current and future use per R18-16-406(G) and R18-16-406(I.4)
 - The FS will not require an analysis of alternative remedies as per R18-16-407(C)

DRAFT RI Figures: Location Tucson, AZ



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Legend

- Stone Avenue and Grant Road WQARF Site
- Township and Range
- Section

Projection: NAD83 State Plane Arizona
Central FIPS (feet)

Scale (Feet)
0 2,000 4,000

Date 7/12/19 File ID 233-041



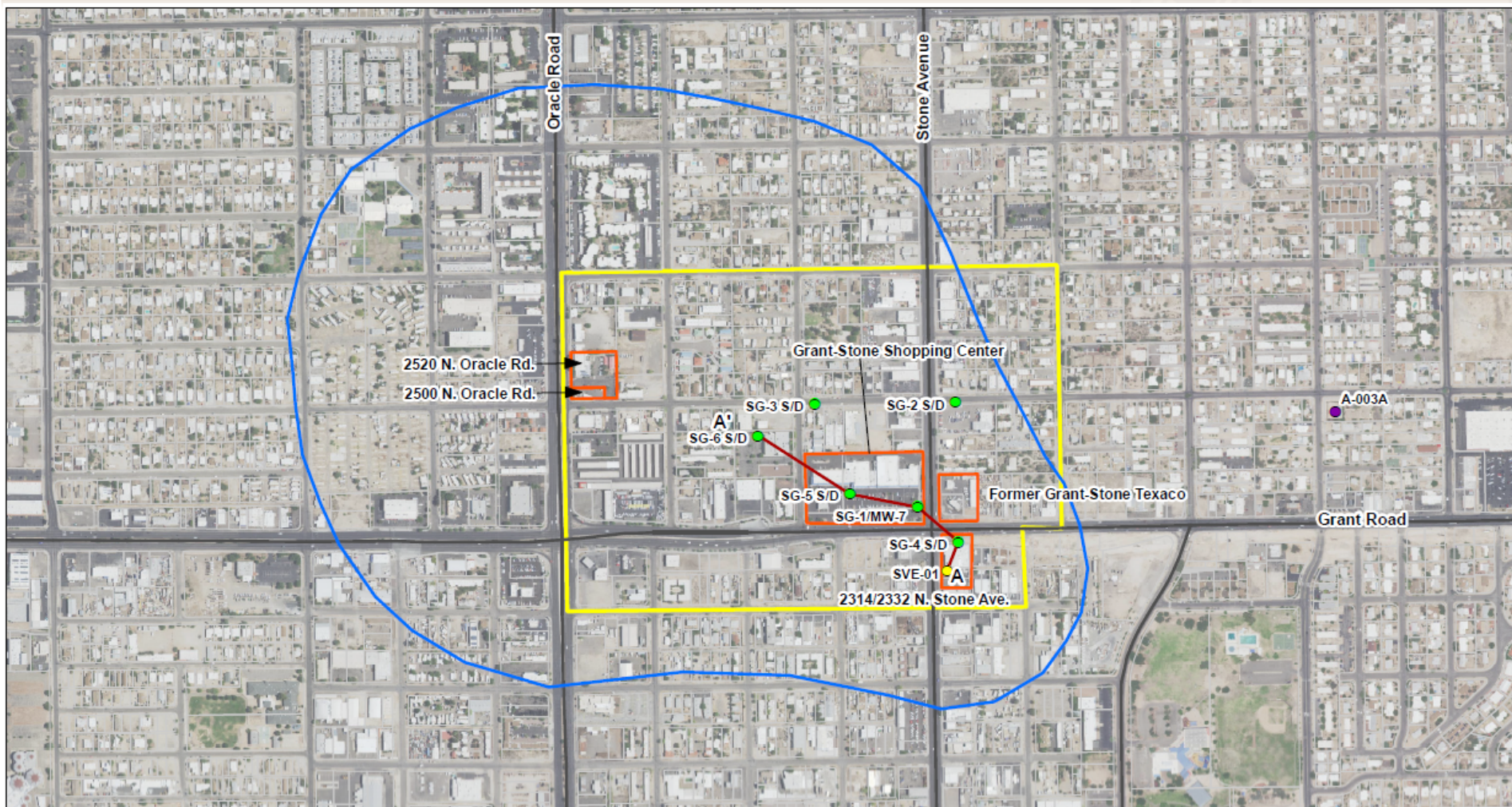
 

FIGURE 1
Site Location Map
Stone Avenue and
Grant Road WQARF Site,
Tucson, Arizona

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DRAFT RI Figures: Boundaries



Legend

- Monitor Well
- Tucson Water Well
- Cross Section (Figure 4)
- Community Involvement Area
- Stone Avenue and Grant Road WQARF Site
- Properties Referenced in Report Text

Projection: NAD83 State Plane Arizona
Central FIPS (feet)
Aerial Imagery: NAIP 2017

Scale (Feet)
0 500 1,000

Date 7/12/19 File ID 233-042

CLEAR CREEK ASSOCIATES

FIGURE 2
Site Plan
Stone Avenue and
Grant Road WQARF Site,
Tucson, Arizona

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DRAFT RI Figures: Cross Section

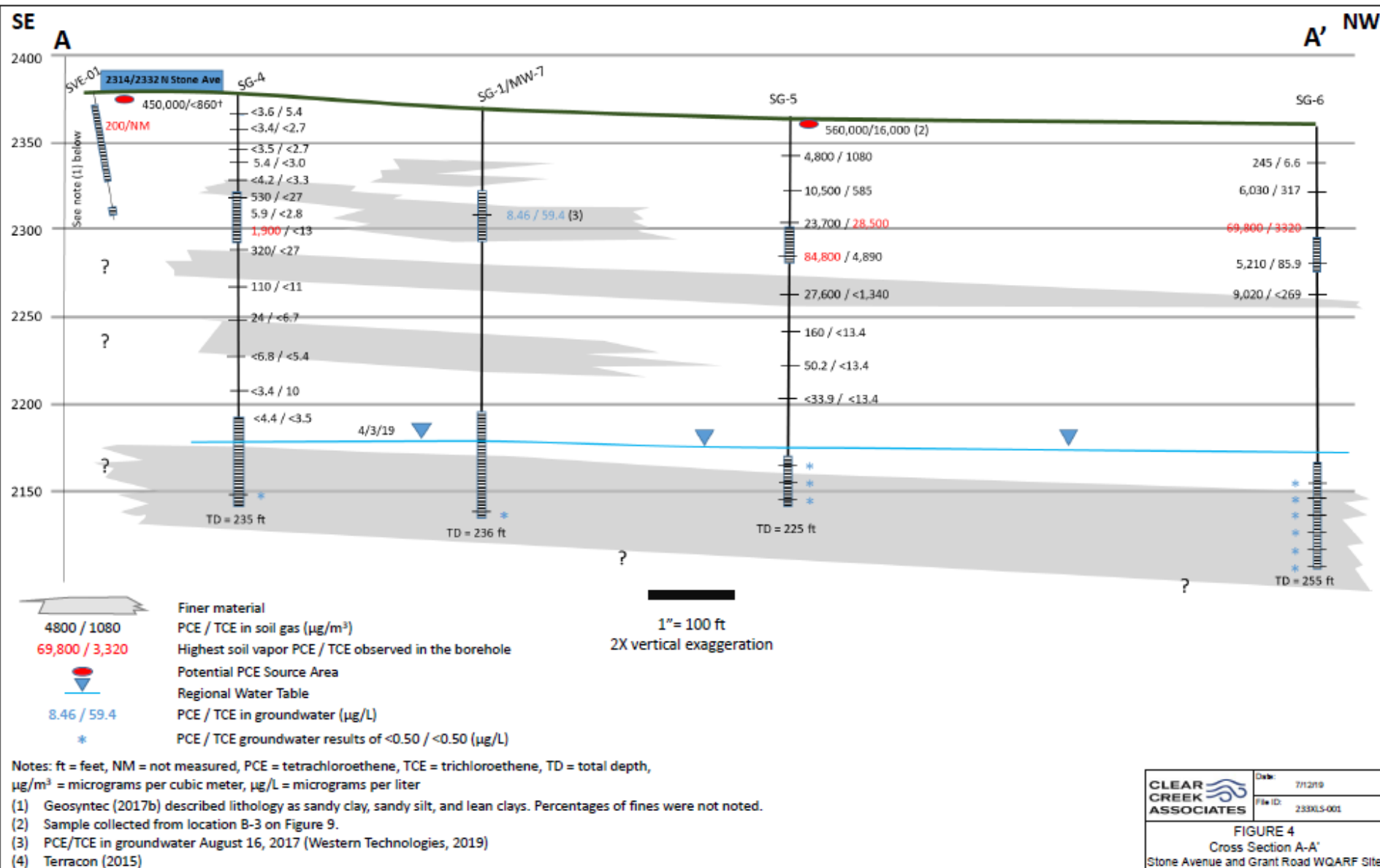
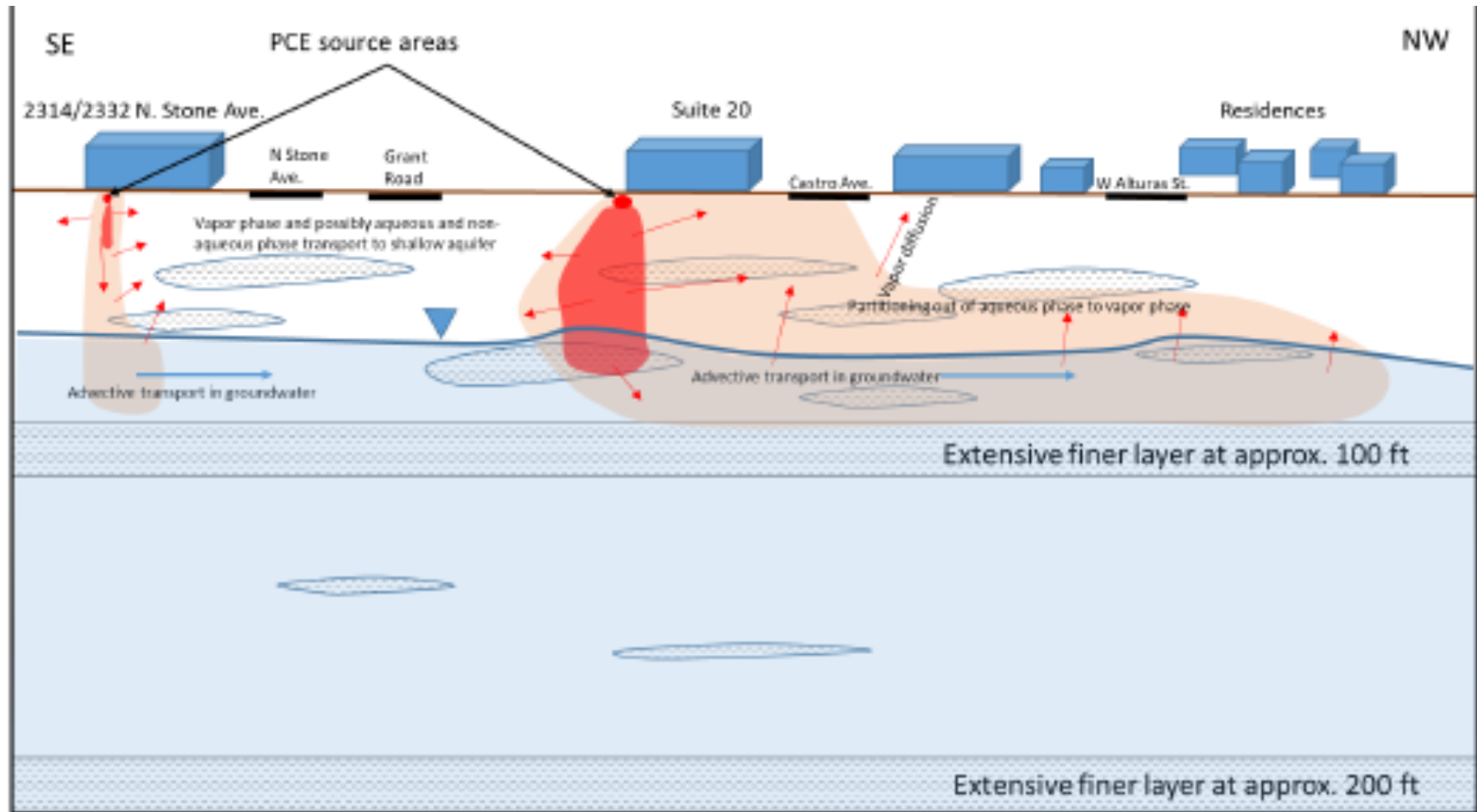
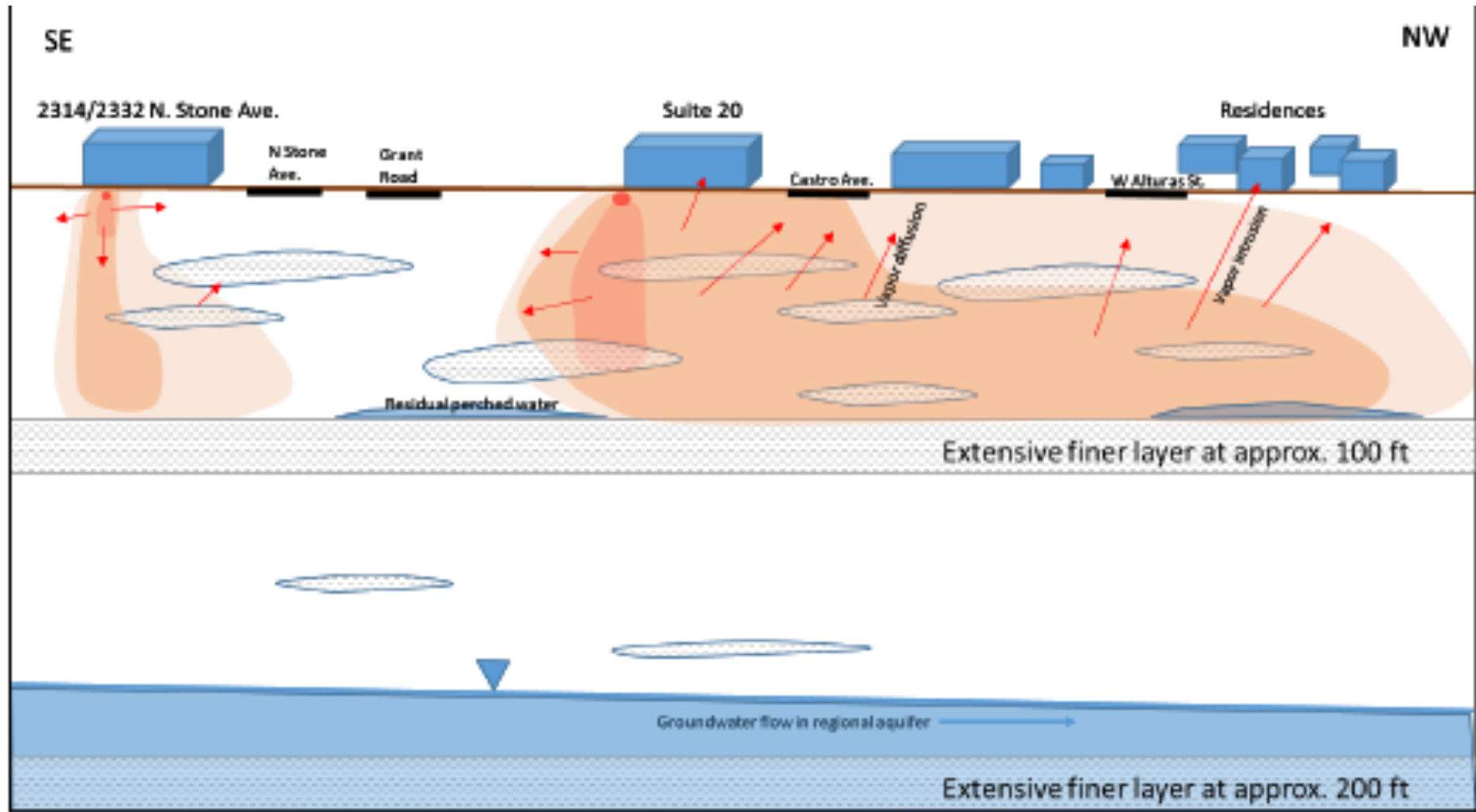


Figure 17A:

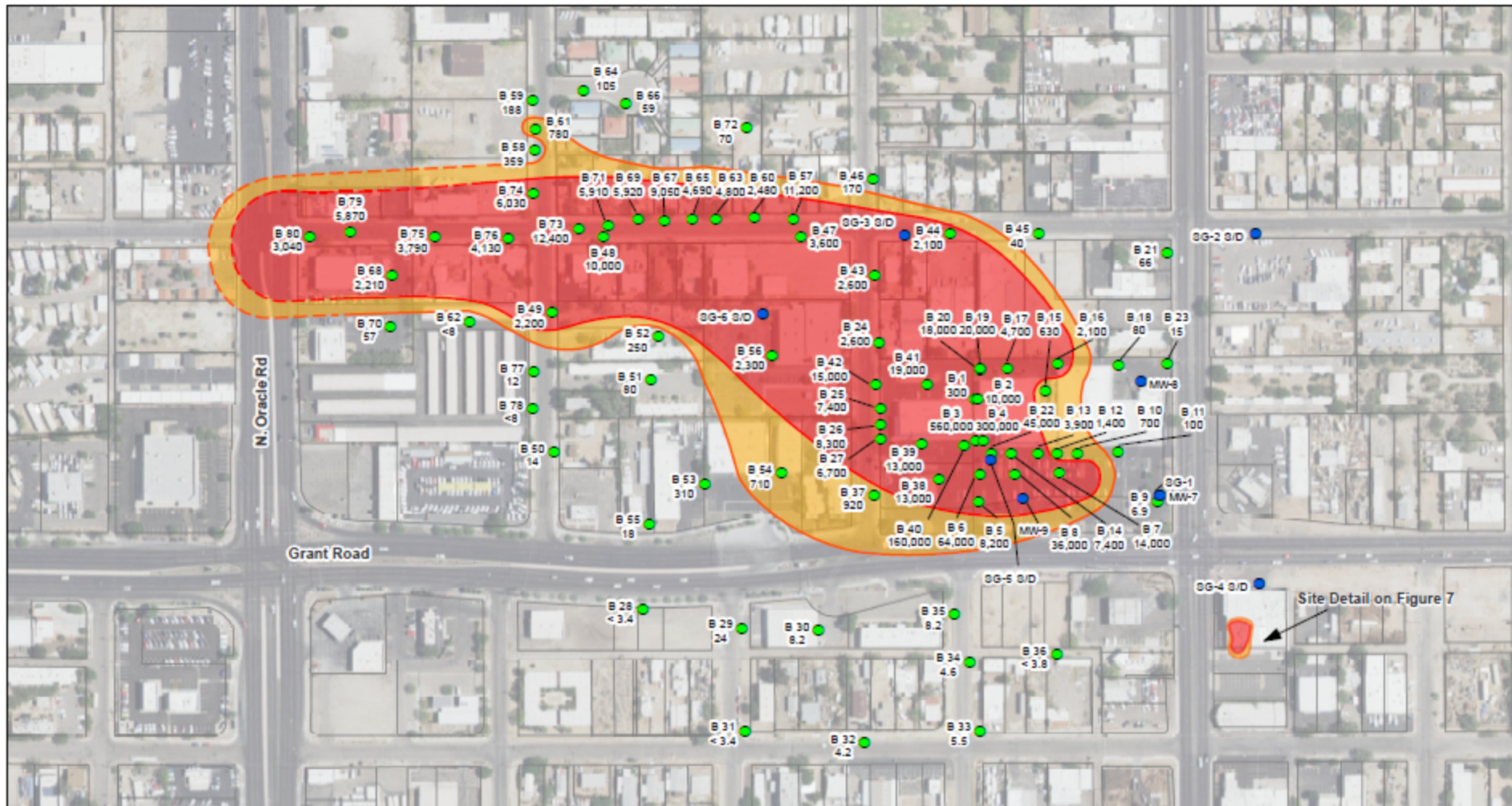


DRAFT RI Figures: Current CSM

Figure 17B:

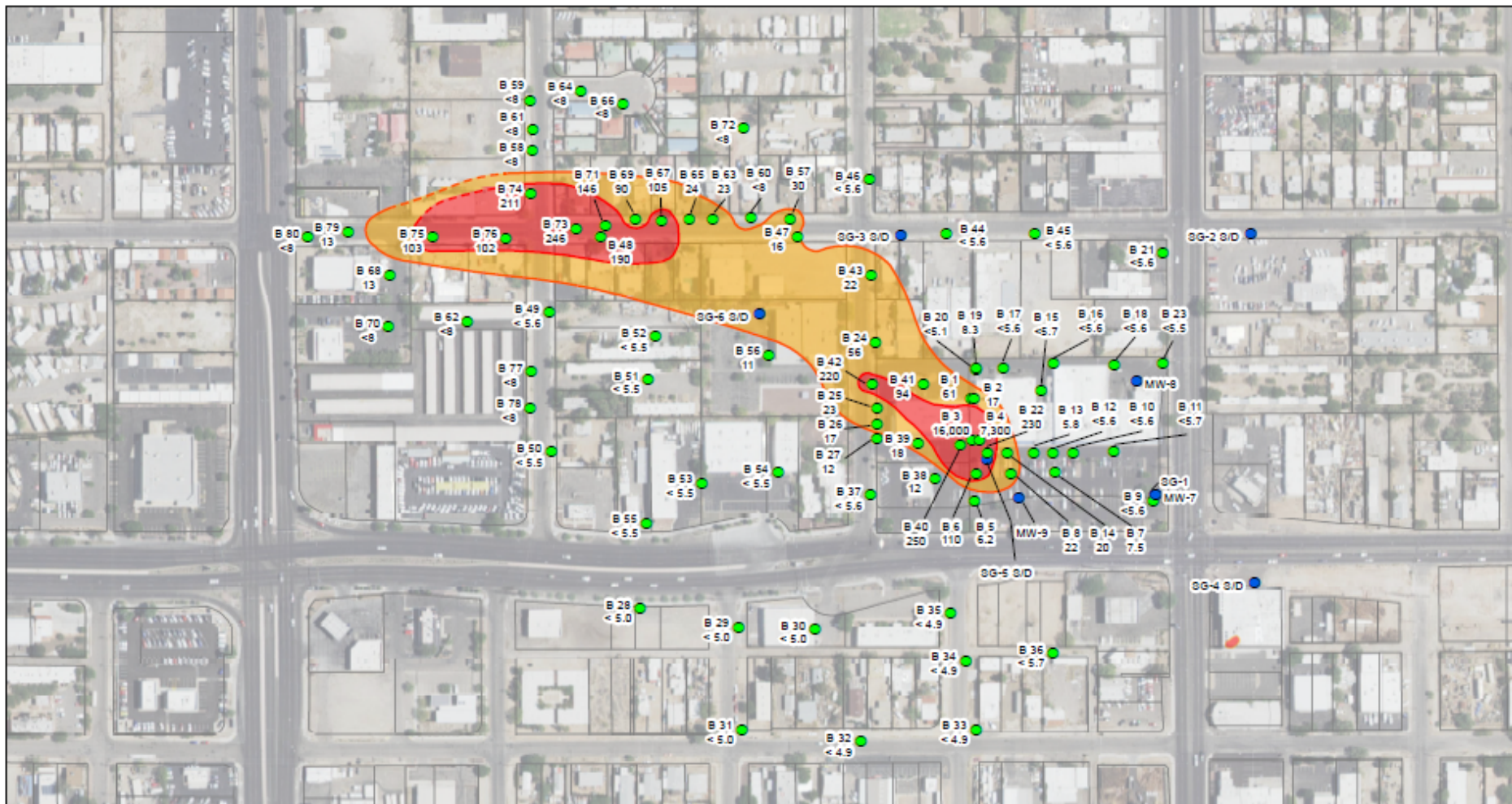


DRAFT RI Figures: PCE in Shallow Soil Vapor



DRAFT RI Figures: TCE in Shallow Soil Vapor

DATA RELEASE





Legend

- Shallow Soil Boring
- Monitor Well
- Parcel Boundary
- Industrial TCE Soil Vapor Screening Level (100 $\mu\text{g}/\text{m}^3$)
- Residential TCE Soil Vapor Screening Level (15 $\mu\text{g}/\text{m}^3$)

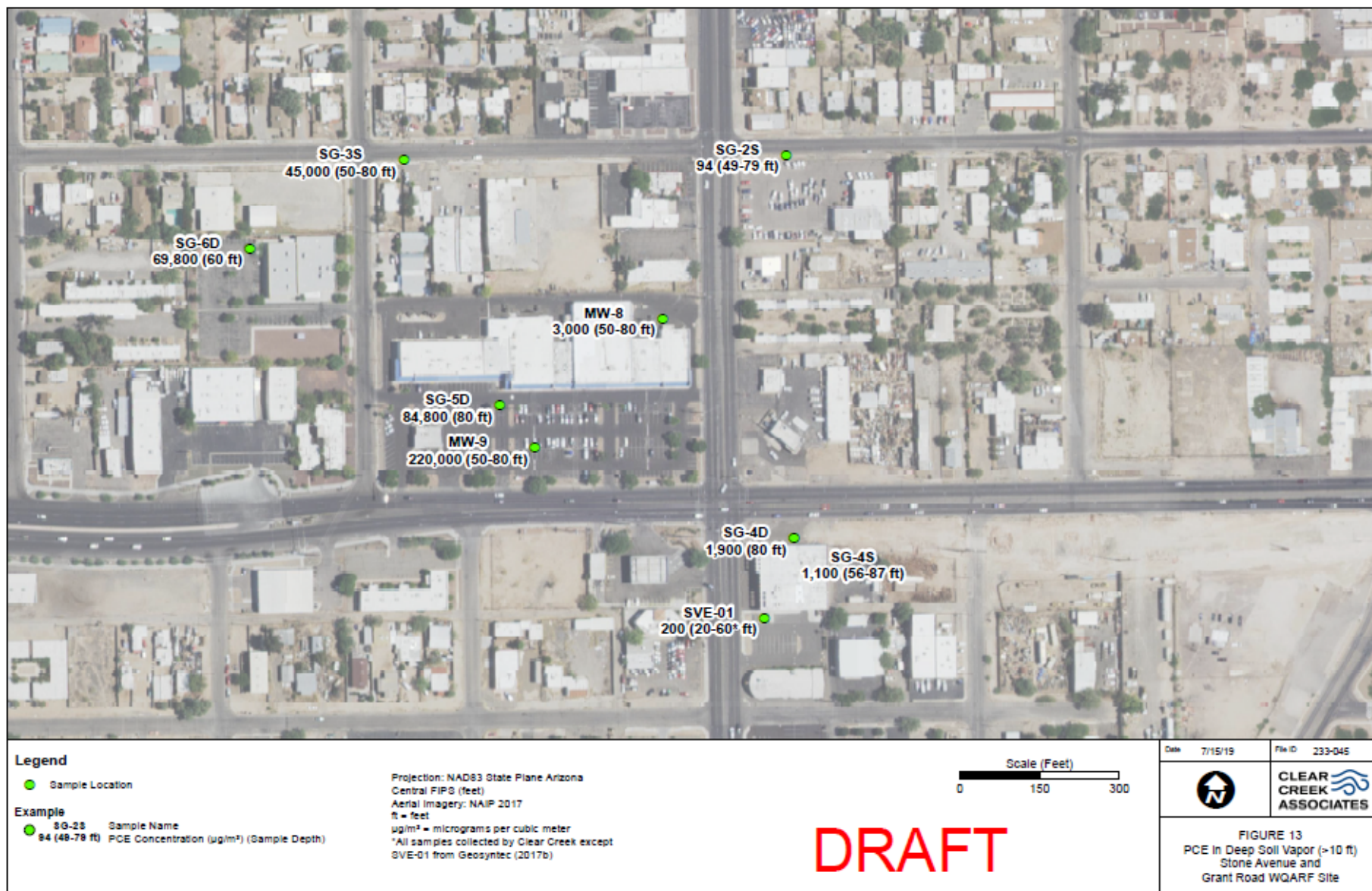
Projection: UTM Zone 12N NAD83
Aerial Imagery: NAIP 2017
 $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
Contours dashed where inferred
Soil Vapor results at Finishmasters site
from Geosyntec (2017a)

Scale (Feet)
0 300 600

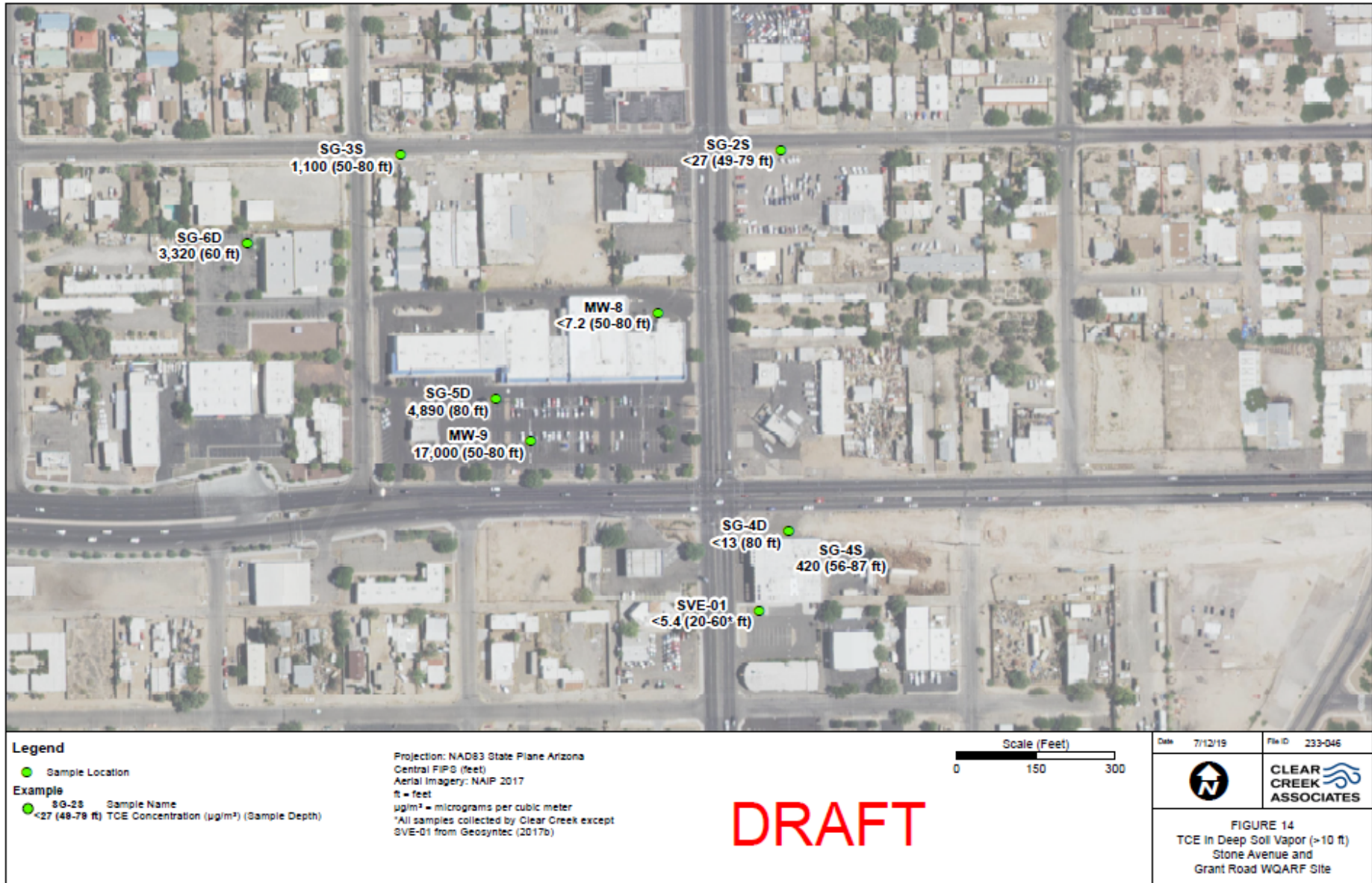
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Date	8/19/19	File ID	233-033
			
<p>FIGURE 12 TCE in Shallow Soil Vapor (≤ 10 ft) Stone Avenue and Grant Road WQARF Site</p>			

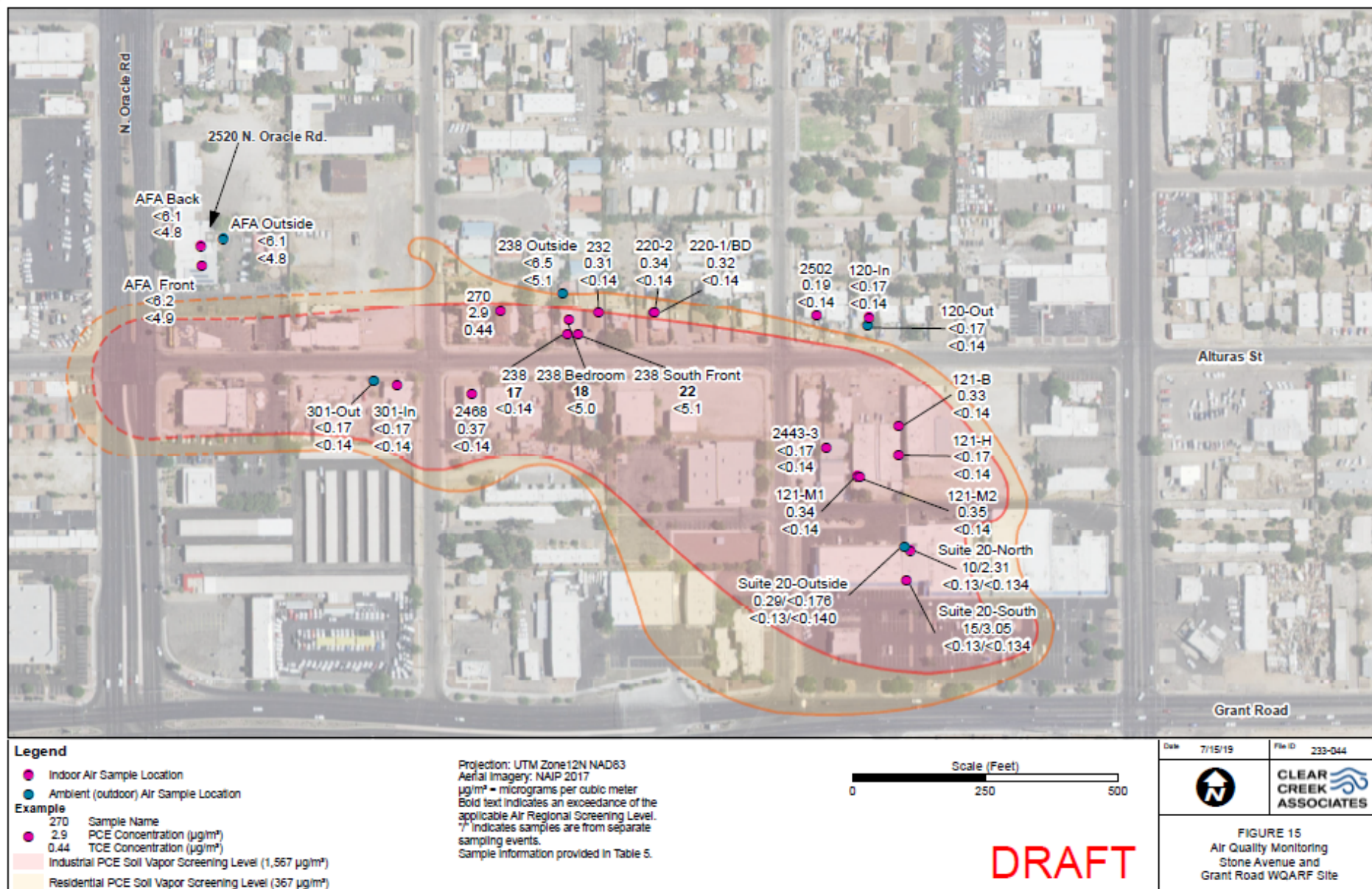
DRAFT RI Figures: PCE in Deep Soil Vapor



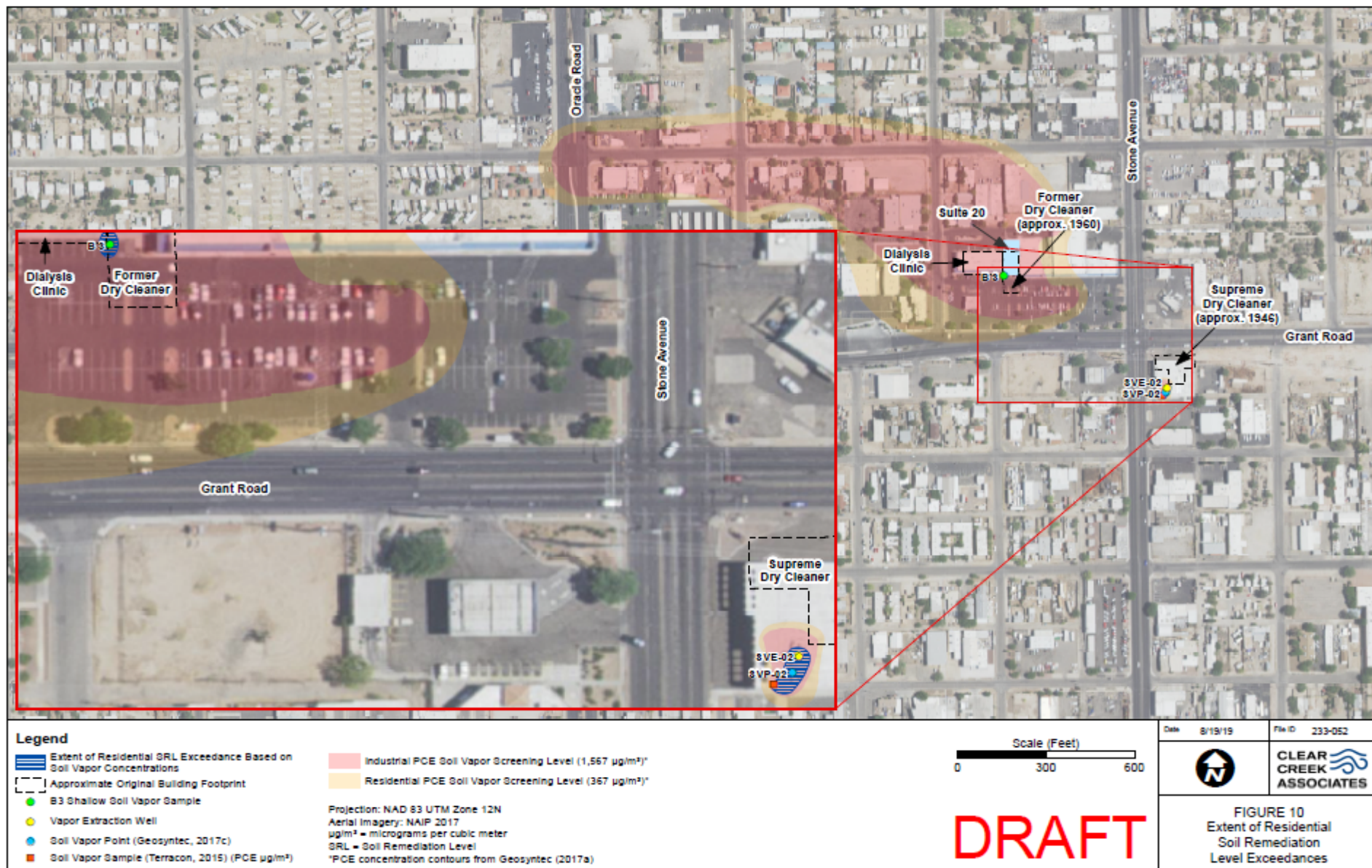
DRAFT RI Figures: TCE in Deep Soil Vapor



DRAFT RI Figures: Indoor Air PCE and TCE



DRAFT RI Figures: Residential SRLs



- Focus was on properties where soil vapor equivalents exceeded SRLs per R18-7-203(C).
- Collection of information on current and future use per R18-16-406(D).
 - No perched GW exists currently, only regional.
- Current and Future Land Use:
 - Commercial / Light Industrial uses along main roads but secondary roads are mostly residential.
 - Reduction in heavy industrial uses and expand commercial and public recreational areas / services.

- One Indoor air monitoring event conducted in residual area (NW-W soil vapor plume area).
- Western extent of PCE not fully delineated in Shallow Soil Vapor.
- Deeper contamination (>10 ft bgs to 100 ft bgs) lateral extent not fully delineated.

- Recent Sampling from Soil Vapor Probes indicated that rebounding has occurred, SVE system will be run for approximately 30 Days.
- Evaluation of the current system will be conducted based on post run data (approx. end of October 2019) and adjustments will be made to increase efficiency of the system.
- Pilot Test underway at NW Corner of Stone and Grant for Second ERA.

- DRAFT RI Public Comment Sept. 11 – Oct. 11
- Review and respond to DRAFT RI Comments
- Finalize RI Report (end of October 2019)
- Second ERA on NW Stone Ave and Grant Rd
- Second Indoor Air Monitoring Event (December)
- Start FS Process
 - Workplan
 - RI Data Gaps
 - FS Report following R18-16-407(C) specific for Soils only WQARF Sites

Contact Information

Gianna Trujillo

Project Manager

(520) 628-6709

Trujillo.Gianna@azdeq.gov

Tara Thurman

Community Involvement

(602) 771-4186

Thurman.Tara@azdeq.gov